LESSON MAKER PRO

Number Form Switch

Show three-digit numbers in different ways.

GRADE 2 · 2.NS.2.b

2.NS.2.b "Read, write, and represent three-digit numbers in standard form, expanded form, and word form, using concrete or pictorial representations."

NAME _____ DATE _____

THREE WAYS TO SHOW A NUMBER

A three-digit number has hundreds, tens, and ones. Write the value of each place in expanded form, then use number words to write word form.

WORKED EXAMPLE

A sticker book has 582 stickers. Write 582 in expanded form and word form.

1. The 5 is in the hundreds place, so it means 500.
2. The 8 is in the tens place, so it means 80.
3. The 2 is in the ones place, so it means 2.
4. Write 500 + 80 + 2 and five hundred eighty-two.

Answer: 500 + 80 + 2; five hundred eighty-two

PRACTICE 5 problems

1 A pet shop has 347 fish. Write 347 in word form.

ANSWER _____

2 A toy shelf has 600 + 50 + 9 toy cars. Write the number in standard form.

ANSWER _____

3 A snack cart has two hundred eighteen apples. Write the number in standard form.

ANSWER _____

4 A game box has 4 hundreds, 2 tens, and 6 ones. Write the number in standard form and word form.

ANSWER _____

5 A library has 731 books on a cart. Write 731 in expanded form.

ANSWER _____

APPLY IT Show your work

1 Liam sorts game tokens. The table shows how many hundreds, tens, and ones he has. Write the number in standard form and word form.

LIAM'S GAME TOKENS

Hundreds	Tens	Ones
6	3	9

ANSWER _____

2 Ava reads that the animal shelter cared for four hundred five pets this year. Write the number in standard form and expanded form.

WORK SPACE

ANSWER _____

3 Build a base-ten model of 254 with your teacher-provided blocks. Use hundred flats, ten rods, and single units. Show your model to a partner or teacher. Then write its standard form, expanded form, and word form. Explain the value of each kind of block.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Noah writes 470 as 400 + 7. Is Noah correct? Write the correct expanded form and explain what the 7 means.

WORK SPACE AND ANSWER

ANSWER KEY

Number Form Switch

GRADE 2 · 2.NS.2.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A pet shop has 347 fish. Write 347 in word form.	**three hundred forty-seven**
2	A toy shelf has 600 + 50 + 9 toy cars. Write the number in standard form.	**659**
3	A snack cart has two hundred eighteen apples. Write the number in standard form.	**218**
4	A game box has 4 hundreds, 2 tens, and 6 ones. Write the number in standard form and word form.	**426; four hundred twenty-six**
5	A library has 731 books on a cart. Write 731 in expanded form.	**700 + 30 + 1**

PART 2 · APPLY IT

1. **639; six hundred thirty-nine** 6 hundreds is 600, 3 tens is 30, and 9 ones is 9. Put the place values together to make 639.
2. **405; 400 + 5** Four hundred is 400, there are 0 tens, and five ones is 5. The zero in the tens place stays in the standard form.
3. **254; 200 + 50 + 4; two hundred fifty-four.** Check the actual model: 2 hundred flats, 5 ten rods, and 4 single units. Each flat is 100 units and each rod is 10 units. Check that all three written forms name the same quantity.

CHALLENGE

No. 470 = 400 + 70. The 7 is in the tens place, so it means 70.

Accept word forms with or without a hyphen in compound numbers. In expanded form, accept 400 + 0 + 5 or 400 + 5 for 405. Before Apply 3, provide each child or pair at least 2 hundred flats, 5 ten rods, and 4 single units, all from one proportional base-ten set. Explain and show that a rod equals 10 units and a flat equals 10 rods. Learners choose and arrange the pieces themselves; use turns if sets are limited. A written number alone does not complete the model task. Accept an oral explanation with adult recording.